



STATE OF
COLORADO

Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

Inouye Gravel Mine Inspection Report

1 message

Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

Tue, Jan 21, 2025 at 7:31 PM

To: Joel Bolduc <joel.bolduc@burnco.com>

Hi Joel.

Please see the attached inspection report for the Inouye Gravel Mine.

Let me know if you have any questions on the report.

Best regards,

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Nikie Gagnon
Environmental Protection Specialist



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

Cell: 720.527.1640

Physical: 1313 Sherman Street, Room 215, Denver, CO 80203

Address for FedEx, UPS, or hand delivery:

DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216

nikie.gagnon@state.co.us | <https://www.drms.colorado.gov>




INSP-REPORT_M2018037_Inouye Gravel Mine_20241120.pdf
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MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Inouye Gravel Mine	MINE/PROSPECTING ID#: M-2018-037	MINERAL: Overburden and sand	COUNTY: Weld
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: November 20, 2024	INSP. TIME: 13:00
OPERATOR: BURNCO Colorado, LLC	OPERATOR REPRESENTATIVE: Joel Bolduc	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$4,446,424.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Nikie Gagnon	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 21, 2025	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

The Inouye Gravel Mine was inspected by Nikie Gagnon, representing the Division of Reclamation, Mining and Safety (Division) as part of the Division's normal monitoring inspection program. Joel Bolduc, representing BURNCO, accompanied the Division during the inspection. The site is located on the northwest edge of Fort Lupton, west of Highway 85 and the South Platte River, on the south side of Weld County Road (WCR) 14.5.

General Mine Plan Compliance:

The Inouye Gravel operation permit area is 178.90 acres. The post-mining land use is two slurry wall lined reservoirs surrounded by pasture. The operation is split into three cells – southwest, northwest and northeast. The northeast and northwest cells have been lined with slurry walls. The southwest cell receives wash fines from the processing facility in the center and will be backfilled.

Mining at the site is occurring within the approved liner of a slurry wall. The slurry wall for the northeast cell was provisionally approved by the State Engineer on January 13, 2023. The slurry wall for the northwest cell was completed as of April 2024. During the inspection, the Division observed active mining in the northeast cell. The slopes around the perimeter have been graded to 3H:1V in accordance with the approved reclamation plan. An operating conveyor was observed in the center of the mine site. The conveyor was moving material from the northeast cell to the processing area in the northwest.

The Division observed the aggregate processing area in the northwest cell. Stockpiles of material were observed adjacent to the processing area. An equipment storage area was observed along the western side of the permit area. The Division observed a sand berm along the western boundary. The Division discussed moving the berm further away from the permit boundary since the sand was slumping into the fence line and could potentially impact the adjacent land. After the inspection, the operator provided a photo showing the berm was removed and the area was regraded level.

The Division observed water in two ponds in the southwest cell. The ponds receive fines and process water. The water is recycled for the processing operation and dust suppression. Once mining is complete, the ponds will be backfilled and reclaimed.

In 2020, the Division approved Amendment 1 which added 58.9 acres in the Phase 2 area, south of the main mining area. The Phase 2 area is within the Ft Lupton wastewater treatment plant parcel. Mining has not been initiated in Phase 2.

Hydrologic Balance:

The Lupton Bottom Ditch separates the northwest and the northeast cells. The Division observed water flowing in the ditch during this inspection. In compliance with the Division of Water Resources requirements, the site has an approved Substitute Water Supply Plan (WDID 0202668) to replace depletions resulting from the mining including evaporation from exposed groundwater, dust suppression, past dewatering, water lost with the mined product, and water used for slurry construction. The current SWSP is effective from of April 1, 2024 through March 31, 2025.

Signs and Markers:

A mine sign was posted at the entrance in the northwest corner, as required by Rule 3.1.12(1). A barbed wire fence was installed around site. White plastic posts were observed marking the edge of the slurry wall around the northeast and northwest cells.

Financial Warranty

The Division holds a \$4,446,424.00 corporate surety for the site. During the review of TR2, the operator proposed phased reclamation for the site. The financial warranty was reviewed as a part of the inspection and the Division has determined the bond is adequate.

Note: The Division approved Technical Revision 2 in November 2023. The revision changed the bonding requirement to phased reclamation. The current bond does not include mining of the Phase 2 - Waste Water Treatment Plant area (WWTP). In the future, if the operator chooses to disturb the WWTP, BURNCO will submit a Technical Revision to increase the bond prior to disturbance.

This concludes the Division's Inspection Report; a subset of photographs taken during the time of the inspection are included below. If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 720-527-1640 or by email at nikie.gagnon@state.co.us.

PHOTOGRAPHS



Photo 1: Looking south at active mining in the northeast cell.



Photo 2: Looking southeast at the conveyor in the northeast cell.



Photo 3: Looking at the graded slopes on the north side of the northeast cell.



Photo 4: Looking down the Lupton Bottom Ditch separates the northwest and the northeast cells



Photo 5: Looking at processing facility in the northwest cell.



Photo 6: Looking at product stored bags in the northeast cell.



Photo 7: Stockpiles of material adjacent to the processing area in the northeast cell.



Photo 8: Looking across the west pond in the southwest cell. A pump in the pond recycles the water through the operation.



Photo 9: Looking across the east pond in the southwest cell which receives wash fines from the processing facility.



Photo 10: Conveyor running east/west from the northwest cell to the processing facility.



Photo 11: Mine sign posted at the entrance in the northwest corner of the permit area.



Photo 12: Topsoil placed in a berm along the northern boundary (blue arrow). A fence is installed around the perimeter of the site, and white plastic markers note the edge of the slurry wall (red arrow).



Photo 13: Sand berm adjacent to the western permit bounday observed during the inspection.



Photo 14: Photo provided by the Operator on 1/6/2025 showing the berm has been removed to prevent sand from flowing onto the adjacent property and the area has been graded level.



Figure 1: Inouye Gravel Mine – Current affected area represented by the yellow line.
Google imagery dated 9/4/2023.

Inspection Contact Address

Joel Bolduc
BURNCO Colorado, LLC
10100 Dallas Street
Henderson, CO 80640

Enclosure

CC: Jared Ebert, Senior EPS, DRMS